

## Amendments to the Claims

1-5. (Canceled)

6. (Currently Amended) A method executed by a ~~distribution~~ device ~~of~~ for adapting data according to ~~a set of~~ quality of service parameters associated with a plurality of network segments that is are downstream from the ~~distribution~~ device, comprising:

receiving at the ~~distribution~~ device instructions, wherein the instructions instruct the ~~distribution~~ device to adapt the data;

receiving the data from a sending device;

adapting the data to conform to the ~~set of~~ quality of service parameters associated with the each network segment, ~~wherein the set of parameters include a plurality of disparate routing parameters for determining an optimal path among a plurality of available paths along the network segment;~~ and

transmitting the adapted data along the each network segment to a client ~~based on at least one of the plurality of disparate routing parameters;~~ and

requesting new programming for adapting the data upon detecting changes in the quality of service parameters for each network segment.

7. (Currently Amended) The method of claim 6, wherein adapting the data further comprises adjusting a packet size of the data according to bandwidth restrictions of the each network segment.

8. (Canceled)

9. (Original) The method of claim 6, wherein adapting the data further comprises replicating the data.

10. (Currently Amended) The method of claim 6, further comprising transmitting the ~~set of~~ quality of service parameters from the ~~distribution~~ device to a network administrator.

11-12. (Canceled)

13. (Currently Amended) A system for transmitting data from a ~~central source server~~ to a plurality of receiving device[[s]] ~~where at least two of the receiving devices are located at the end of~~ on disparate segments ~~of in~~ a communications network, comprising:

a network device for distributing ~~a plurality of sets of~~ instructions, wherein the ~~plurality of sets of~~ instructions ~~is are~~ for adapting the data according to ~~[[a]]~~ quality of service parameters associated with the ~~plurality of sets of transmission parameters associated with a backbone and a plurality of disparate network segments of in~~ the communications network; and

a media ~~central~~ server for receiving the instructions from the network device, implementing the instructions to adapt the data according to the quality of service parameters, transmit the adapted data along the disparate network segments to the receiving device, and request new programming for adapting the data upon detecting changes in the quality of service parameters for the disparate network segments, comprising:

~~a receiver for receiving at least one of the plurality of sets of instructions from the network device;~~

~~a processor for implementing the at least one of the plurality of sets of instructions to adapt the data according to the quality of service parameters transmission parameters associated with the backbone; and~~

~~a transmitter for transmitting the adapted data along the disparate network segments to the receiving device, wherein the backbone; and~~

~~a distribution device along each of the plurality of disparate segments, comprising:~~

~~a receiver for receiving the adapted data from the central server along the backbone and for receiving at least one of the plurality of sets of instructions to further adapt the data according to at least one of the plurality of sets of transmission parameters associated with at least one of the plurality of disparate segments;~~

~~a processor for implementing each received set of instructions; and~~

~~a transmitter for transmitting the adapted data to at least one receiving device.~~

14-18. (Canceled)

19. (Currently Amended) The system of claim 13, wherein ~~at least one of the plurality of sets of~~ instructions further instruct[[s]] the ~~central~~ media server to replicate the ~~stream of data.~~

20-35. (Canceled)

36. (Currently Amended) A machine readable medium having stored thereon executable code which causes a ~~distribution~~ device to perform a method of adapting data according to a set of parameters associated with a network segment that is downstream from the ~~distribution~~ device, the method comprising:

receiving at the ~~distribution~~ device instructions, wherein the instructions instruct the distribution device to adapt the data;

receiving the data from a sending device;

adapting the data to conform to the ~~set of~~ quality of service parameters associated with the each network segment, ~~wherein the set of parameters include a plurality of disparate routing parameters for determining an optimal path among a plurality of available paths along the network segment; and~~

transmitting the adapted data along the each network segment to a client based on ~~at least one of the plurality of disparate routing parameters; and~~

requesting new programming for adapting the data upon detecting changes in the quality of service parameters for each network segment.

37. (Currently Amended) The machine readable medium of claim 36, wherein adapting the data further comprises adjusting a packet size of the data according to bandwidth restrictions of ~~the~~ each network segment.

38. (Canceled)

39. (Original) The machine readable medium of claim 36, wherein adapting the data further comprises replicating the stream of data.

40-48. (Canceled)